

Title (en)  
STRING DETECTION SYSTEM

Title (de)  
SYSTEM ZUR STRANGERKENNUNG

Title (fr)  
SYSTÈME DE DÉTECTION DE RESSORT

Publication  
**EP 3781502 A1 20210224 (EN)**

Application  
**EP 18915319 A 20181101**

Priority  
• US 201862660781 P 20180420  
• US 2018058799 W 20181101

Abstract (en)  
[origin: US2019325687A1] This disclosure relates to a banknote validator. The banknote validator comprises a banknote path formed within an interior of the banknote validator to transport a banknote from an opening of the banknote path through the interior of the banknote validator, one or more banknote edge detection surfaces each configured to provide images of edges of a banknote in the banknote path, an image sensor configured to capture the images of the edges of the banknote provided by the one or more banknote edge detection surfaces, a steerable drive wheel at least partially disposed within the banknote path, the steerable drive wheel operable to reorient a banknote in the banknote path, and the steerable drive wheel operable to move from a first position to a second position to angle the steerable drive wheel in relation to the banknote path.

IPC 8 full level  
**B65H 9/00** (2006.01); **B65H 5/02** (2006.01); **B65H 5/06** (2006.01); **B65H 9/16** (2006.01); **G07D 7/00** (2016.01); **G07D 11/00** (2019.01)

CPC (source: EP US)  
**B65H 5/06** (2013.01 - US); **B65H 5/062** (2013.01 - EP); **B65H 7/06** (2013.01 - US); **B65H 9/002** (2013.01 - EP US); **B65H 9/166** (2013.01 - US); **G07D 7/189** (2017.05 - EP); **G07D 11/225** (2019.01 - EP); **H04N 1/00848** (2013.01 - EP); **H04N 1/00859** (2013.01 - EP); **B65H 2403/511** (2013.01 - EP); **B65H 2404/14212** (2013.01 - EP); **B65H 2404/15212** (2013.01 - EP US); **B65H 2511/21** (2013.01 - EP); **B65H 2511/22** (2013.01 - EP); **B65H 2511/24** (2013.01 - EP US); **B65H 2553/42** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Designated contracting state (EPC)  
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BA ME

DOCDB simple family (publication)  
**US 10954090 B2 20210323**; **US 2019325687 A1 20191024**; EP 3781502 A1 20210224; EP 3781502 A4 20220209; EP 3781502 B1 20240724; EP 3781503 A1 20210224; EP 3781503 A4 20220223; US 10899566 B2 20210126; US 11072507 B2 20210727; US 2019325685 A1 20191024; US 2019325686 A1 20191024; WO 2019203890 A1 20191024; WO 2019203891 A1 20191024; WO 2019203892 A1 20191024

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**US 201816178465 A 20181101**; EP 18915319 A 20181101; EP 18915642 A 20181101; US 2018058796 W 20181101; US 2018058799 W 20181101; US 2018058802 W 20181101; US 201816178471 A 20181101; US 201816178479 A 20181101